

AMENDMENTS TO THE CLAIMS

Listing of Claims:

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims in the application.

Please cancel claims 1-6, 12 and 18, as follows:

1 Claims 1-6. (Cancelled).

1 7. (Previously Presented) A helical implant, comprising a core surrounded by helical threads,
2 and inclined flanks of said threads bearing continuous micro-patterns increasing exposed surface area
3 of said implant.

1 8. (Previously Presented) The helical implant of claim 7, comprised of the micro-patterns
2 having a polygonal cross-section opened at one side thereof.

1 9. (Previously Presented) A helical implant of claim 7, comprised of the micro-patterns
2 comprising one or more recesses and protrusions.

1 10. (Previously Presented) The helical implant as set forth in claim 7, comprised of the
2 micro-patterns comprising one or more recesses and protrusions with both the recesses and
3 protrusions having an arcuate cross section of identical curvature and length.

1 11. (Previously Presented) The helical implant as set forth in claim 7, comprised of the
2 micro-patterns comprising one or more recesses and protrusions with two adjacent recesses being
3 separated by a distance on an order of 150 μm .

1 Claim 12. (Cancelled).

1 13. (Previously Presented) A helical implant, comprising a core surrounded by helical
2 threads bearing inclined flanks incised with continuous micro-patterns increasing exposed surface
3 area of said implant by extending along said flanks and around said core.

1 14. (Previously Presented) The helical implant as set forth in claim 13, comprised of the
2 micro-patterns having a polygonal cross-section opened at one side thereof.

1 15. (Previously Presented) A helical implant of claim 13, comprised of the micro-patterns
2 comprising one or more recesses and protrusions.

1 16. (Previously Presented) The helical implant as set forth in claim 13, comprised of the
2 micro-patterns comprising one or more recesses and protrusions with both the recesses and
3 protrusions having an arcuate cross section of identical curvature and length.

1 17. (Previously Presented) The helical implant as set forth in claim 13, comprised of the
2 micro-patterns comprising one or more recesses and protrusions with two adjacent recesses being
3 separated by a distance on an order of 150 μm .

1 Claim 18. (Cancelled).